

ABSTRACT

The present invention concerns alkyl aryl carbonyl
5 compounds that possess anti-infective activity. The
compounds of the invention can be used to target specific
nuclear localization signal, thereby blocking importation of
specific proteins or molecular complex into the nucleus of a
cell. The invention encompasses methods of use of such
10 compounds for treatment or prevention of infectious diseases,
such as parasitic and viral diseases, including, for example,
malaria and acquired immunodeficiency syndrome. The use of
the compounds to detect certain specific protein structures
which are present in nuclear localization sequences is also
15 taught.

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